AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) ~~Method~~ A method for transmitting data packets over a ~~communications~~ local area network, utilizing transmittal protocol packets ~~comprising~~ including a header, which ~~in turn comprises~~ includes an address field, and a data field, ~~characterised in~~ the method comprising:

collecting and inserting several data packets from several users active on the ~~communications~~ local area network into the data field of a transmittal protocol packet,

transmitting the transmittal protocol packet,

~~wherein each inserted data packet is associated an individual address~~

using a broadcast or group address in the header of the transmittal protocol, and

attaching an individual address to each data packet in the data field.

2. Canceled.

3. (Currently Amended) Method according to claim 1, ~~characterised in~~ further comprising arranging the individual addresses in the header of the transmittal protocol.

4. (Currently Amended) Method according to claim 1, ~~characterised in that~~ wherein the transmittal protocol is a MAC protocol.

5. (Currently Amended) Method according to claim 4, ~~characterised in that~~ wherein the MAC protocol is a Carrier Sense Multiple Access protocol.

6. (Currently Amended) Method according to claim 1, ~~characterised in that~~ wherein the data packets comprises speech packets.

1455511

7. (Currently Amended)   Method according to claim 1, ~~characterised in the~~ further ~~step of~~ comprising storing a number of data packets before insertion into the data field.

8. (Currently Amended)   Method according to claim 7, ~~characterised in~~ further comprising storing data packets collected within a defined time interval.

9. (Currently Amended)   Method according to claim 7, ~~characterised in~~ further comprising storing a defined number of data packets.

10. (Currently Amended)   Method according to claim 7, ~~characterised in~~ further comprising storing data packets ~~filling~~ to fill up a defined data field size.

11. (Currently Amended)   Method according to claim 7, ~~characterised in the further step of~~ further comprising storing data packets from several active users in individual buffers connected to individual inputs of a time multiplex unit.

12. (Currently Amended)   Method according to claim 11, ~~characterised in~~ further comprising storing data packets from a defined number of active users.

13. (Currently Amended)   Method according to claim 8, ~~characterised in the further step of~~ further comprising forwarding multiplexed data packets to a packetizing unit for insertion into the data field.

14. (Currently Amended)   Method according to claim 1, ~~characterised in that~~ wherein the local area network is wireless.

15. (Currently Amended)   Method according to claim 10, ~~characterised in that~~ wherein the collection is performed in an access point.

16. (Currently Amended)   Method according to claim 1, ~~characterised in that~~ wherein the transmittal protocol containing data packets from several users is given transmission priority.

17. (Currently Amended)   Method of receiving data packets transmitted according to claim 1, ~~characterised in~~ further comprising:

receiving the transmittal protocol packet,

identifying the address of the header of the transmittal protocol packet, and

if correct, collecting at least one of the data packets in the data field of the transmittal protocol packet.

18. (Currently Amended)   A computer ~~Computer~~ program product stored on a computer-readable storage device comprising computer code ~~means~~ and/or software code portions for making a computer or processor perform the steps of claim 1.

19. (Currently Amended)   ~~Device~~ A device for transmitting data packets over a ~~communications~~ local area network, utilizing transmittal protocol packets ~~comprising~~ including a header, which ~~in turn comprises~~ includes an address field~~,~~ and a data field, ~~characterised in~~ comprising:

means for collecting and inserting several data packets from several users active on the ~~communications~~ local area network into the data field of a transmittal protocol packet,

means for transmitting the transmittal protocol packet, and

means for ~~associating an inserted data packet with an individual address~~ using a broadcast or group address in the header of the transmittal protocol, and

means for attaching an individual address to each data packet in the data field.

20. Canceled.

21. (Currently Amended)   Device according to claim 19, ~~characterised in~~ further comprising means for arranging the individual addresses in the header of the transmittal protocol.

22. (Currently Amended) Device according to claim 1~~9~~, ~~characterised in that~~ wherein the transmittal protocol is a MAC protocol and ~~that~~ the data packets ~~comprises~~ include speech packets.

23. (Currently Amended) Device according to claim 22, ~~characterised in that~~ wherein the MAC protocol is a Carrier Sense Multiple Access protocol.

24. (Currently Amended) Device according to claim 1~~9~~, ~~characterised in the~~ further comprising means for storing a number of data packets before insertion into the data field.

25. (Currently Amended) Device according to claim 24, ~~characterised in~~ further comprising means for storing data packets from several active users in individual buffers connected to individual inputs of a time multiplex unit.

26. (Currently Amended) Device for receiving data packets transmitted from the device according to claim 19, ~~characterised in~~ further comprising:

means for receiving the transmittal protocol packet,

means for identifying the address of the header of the transmittal protocol packet, and

~~if correct,~~ means for collecting at least one of the data packets in the data field of the transmittal protocol packet.

27. (Currently Amended) ~~System~~ A system for handling data packets on a ~~communications~~ local area network, utilizing transmittal protocol packets ~~comprising~~ including a header, which ~~in turn comprises~~ includes an address field~~,~~ and a data field, comprising:

means for collecting and inserting several data packets from several users active on the ~~communications~~ local area network into the data field of a transmittal protocol packet,

means for transmitting the transmittal protocol packet,

means for associating an inserted data packet with an individual address,

1455511

means for receiving the transmittal protocol packet,

means for identifying the address of the header of the transmittal protocol packet,

wherein the address is a broadcast or multicast address for all active users, and ~~if correct,~~

means for collecting at least one of the data packets in the data field of the transmittal

protocol packet.

28. (Currently Amended)　　System according to claim 27, ~~characterised in that~~ wherein

the local area network is wireless.

29. (Currently Amended)　　System according to claim 28, ~~characterised in that~~ wherein

the means for ~~collection~~ collecting is ~~performed~~ located in an access point.